AMENDMENTS TO THE CLAIMS

Claims 1-23 (canceled)

Claim 24 (currently amended):   A method ~~of encrypting main~~ for changing electronic information, ~~data of said main information including a group of data units,~~ said method comprising:

a step of inputting first information comprising a plurality of event data;

a step of inputting second information indicative of an information change scheme;

a ~~first~~ step of incorporating ~~data of encrypting information, representative of an encrypting procedure, dispersedly into particular ones of the data units belonging to a predetermined first data group of said main information~~ said second information dispersedly into said first information by changing contents of at least part of the event data on the basis of said second information; and

a ~~second~~ step of ~~executing the encrypting procedure, represented by said encrypting information, on the data belonging to a predetermined second data group of said main~~ changing a portion of said first information, where said second information is not positioned, in accordance with the information change scheme indicated by said second information.

Claim 25 (currently amended):   A method as recited in claim 24 ~~wherein said first step further incorporates~~ which further comprises a step of incorporating predetermined additional information, ~~other than said encrypting information,~~ into said first ~~data group of said main~~ information.

Claim 26 (currently amended):   An electronic information processing device ~~for~~

~~encrypting main information, data of said main information including a group of data units, said~~

~~electronic information processing device~~ comprising:

a section that inputs first information comprising a plurality of event data;

a section that inputs second information indicative of an information change scheme;

a ~~first~~ section that incorporates ~~data of encrypting information, representative of an~~

~~encrypting procedure, dispersedly into particular ones of the data units belonging to a predetermined~~

~~first data group of said main~~ said second information dispersedly into said first information by

changing contents of at least part of the event data on the basis of said second information; and

a ~~second~~ section that ~~executes the encrypting procedure, represented by said encrypting~~

~~information, on the data belonging to a predetermined second data group of said main~~ changes a

portion of said first information, where said second information is not positioned, in accordance

with the information change scheme indicated by said second information.

Claim 27 (currently amended):   A machine-readable recording medium containing a

program executable by a computer for ~~encrypting main~~ changing electronic information, ~~data of said~~

~~main information including a group of data units,~~ said program comprising:

a step of inputting first information comprising a plurality of event data;

a step of inputting second information indicative of an information change scheme;

a ~~first~~ step of incorporating ~~data of encrypting information, representative of an encrypting~~

~~procedure, dispersedly into particular ones of the data units belonging to a predetermined first data~~

~~group of said main~~ said second information dispersedly into said first information by changing

contents of at least part of the event data on the basis of said second information; and

a ~~second~~ step of ~~encrypting the data belonging to a predetermined second data group of said~~

~~main information through the encrypting procedure represented by said encrypting~~ changing a

portion of said first information, where said second information is not positioned, in accordance

with the information change scheme indicated by said second information.

Claim 28 (canceled)

Claim 29 (currently amended): A method of decoding and reproducing ~~encrypted main~~ changed electronic information, ~~data of encrypting information being incorporated dispersedly into particular data units in a predetermined first data group of said main information, data belonging to a predetermined second data group of said main information being encrypted by an encrypting procedure represented by said encrypting information,~~ said method comprising:

a step of receiving changed electronic information to be decoded and reproduced, said changed electronic information being information obtained by changing, in accordance with an information change scheme indicated by second information, first information comprising a plurality of event data, wherein said second information is incorporated dispersedly in said first information by contents of at least part of the event data included in said first information being changed on the basis of said second information, and a portion of said first information, where said second information is not incorporated, has contents changed in accordance with the information change scheme indicated by said second information;

a ~~first~~ step of reproducing, ~~said encrypting information, from said first data group of said main information having said encrypting information incorporated therein~~ from the inputted changed electronic information, said second information dispersedly incorporated in said first information; and

a ~~second~~ step of, ~~on the basis of said encrypting information reproduced by said first step,~~ decoding ~~the data belonging to said second data group to thereby reproduce said main~~ the portion of said first information, where said second information is not positioned, on the basis of said second information decoded by said step of decoding, to thereby reproduce said first information.

Claim 30 (currently amended):   A device for decoding and reproducing ~~encrypted main~~

changed electronic information, ~~data of encrypting information being incorporated dispersedly into~~

~~particular data units belonging to a predetermined first data group of said main information, data~~

~~belonging to a predetermined second data group of said main information being encrypted by an~~

~~encrypting procedure represented by said encrypting information,~~ said device comprising:

a section that receives changed electronic information to be decoded and reproduced, said

changed electronic information being information obtained by changing, in accordance with an

information change scheme indicated by second information, first information comprising a plurality

of event data, wherein said second information is incorporated dispersedly in said first information

by contents of at least part of the event data included in said first information being changed on the

basis of said second information, and a portion of said first information, where said second

information is not incorporated, has contents changed in accordance with the information change

scheme indicated by said second information;

a ~~first~~ section that reproduces, ~~said encrypting information, from said first data group of said~~

~~main information having said encrypting information incorporated therein~~ from the inputted

changed electronic information, said second information dispersedly incorporated in said first

information; and

a ~~second~~ section that, ~~on the basis of said encrypting information reproduced by said first~~

~~section,~~ decodes the ~~data belonging to said second data group to thereby reproduce said main~~ portion

of said first information, where said second information is not positioned, on the basis of said

second information decoded by said step of decoding, to thereby reproduce said first information.

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Claim 31 (currently amended):   A machine-readable recording medium containing a

program executable by a computer for decoding and reproducing ~~encrypted main~~ changed electronic

information, ~~data of encrypting information being incorporated dispersedly into particular data units~~

~~belonging to a predetermined first data group of said main information, data belonging to a~~

~~predetermined second data group of said main information being encrypted by an encrypting~~

~~procedure represented by said encrypting information,~~ said program comprising:

a step of receiving changed electronic information to be decoded and reproduced, said

changed electronic information being information obtained by changing, in accordance with an

information change scheme indicated by second information, first information comprising a plurality

of event data, wherein said second information is incorporated dispersedly in said first information

by contents of at least part of the event data included in said first information being changed on the

basis of said second information, and a portion of said first information, where said second

information is not incorporated, has contents changed in accordance with the information change

scheme indicated by said second information;

a ~~first~~ step of reproducing, ~~said encrypting information, from said first data group of said~~

~~main information having said encrypting information incorporated therein~~ from the inputted

changed electronic information, said second information dispersedly incorporated in said first

information; and

a ~~second~~ step of, ~~on the basis of said encrypting information reproduced by said first step,~~

decoding the ~~data belonging to said second data group to thereby reproduce said main~~ portion of

said first information, where said second information is not positioned, on the basis of said second

information decoded by said step of decoding, to thereby reproduce said first information.

Claim 32 (currently amended):   A method as recited in claim 24 wherein said ~~first data group~~ plurality of event data of said ~~main~~ first information is classified into at least two characteristic groups according to data characteristics thereof, and said ~~encrypting~~ second information is incorporated redundantly into said at least two characteristic groups.

Claim 33 (currently amended):   A method as recited in claim 32 wherein ~~said first step incorporates~~ said ~~encrypting~~ second information is incorporated into each of the characteristic groups in accordance with an algorithm unique to said characteristic group.

Claim 34 (currently amended):   A method as recited in claim 29 wherein said ~~first data group~~ plurality of event data of said ~~main~~ first information is classified into at least two characteristic groups according to data characteristics thereof, and said ~~encrypting~~ second information is incorporated redundantly into said at least two characteristic groups.

Claims 35 and 36 (canceled)

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Claim 37 (currently amended):   A method as recited in claim 24 wherein said ~~main~~ first

information to be ~~encrypted~~ modified is provided in a form of a real-time data stream;

wherein said ~~first~~ step of incorporating incorporates the data of ~~encrypting~~ second

information, in real time, into said ~~main~~ first information of the real-time data stream, and said

~~second~~ step of changing executes [[the]] an encrypting procedure, in real time, on said ~~main~~ first

information of the real-time data stream; and

wherein said method further comprises a step of transmitting to a communication network

said ~~main~~ first information having said ~~encrypting~~ second information incorporated therein and

having been encrypted by said ~~second~~ step of changing, in a form of the real-time data stream.

Claim 38 (currently amended):   A method as recited in claim [[37]] 25 ~~wherein said~~

~~main information incorporates with additional information; and~~ wherein said ~~main~~ first information

is music performance information and said predetermined additional information contains data

representative of any one of a text message, still picture, moving picture and sound message.

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Claim 39 (currently amended):   A method as recited in claim 29 wherein said ~~main~~ <u>electronic</u> information to be decoded is transmitted via a communication network, in a form of a real-time data stream;

wherein said ~~method further comprises a~~ step of receiving said ~~main~~ <u>electronic</u> information of the real-time data stream transmitted via the communication network;   ·

wherein said ~~first~~ step <u>of reproducing</u> reproduces said ~~encrypting~~ <u>second</u> information, from said ~~first data group of said main~~ <u>electronic</u> information of the real-time data stream received via the communication network; and

wherein said ~~second~~ step <u>of decoding</u> decodes, on the basis of said ~~encrypting~~ <u>second</u> information reproduced by said ~~first~~ step <u>of reproducing</u>, ~~the data belonging to said second data group of~~ <u>a portion of said first information where said second information is not incorporated and which is included in</u> said ~~main~~ <u>electronic</u> information of the real-time data stream received via the communication network to thereby decode said ~~main~~ <u>first</u> information.

Claim 40 (currently amended):   A method as recited in claim [[39]] <u>29</u> wherein <u>predetermined additional information other than said second is incorporated into</u> said ~~main~~ <u>first</u> information ~~incorporates with additional information~~; and

wherein said <u>method</u> further comprises a ~~third~~ step of detecting said <u>predetermined</u> additional information from the ~~main~~ <u>first</u> information and a ~~fourth~~ step of displaying said <u>predetermined</u> additional information detected by said ~~third~~ step <u>of detecting</u>.

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Claim 41 (currently amended):   A method as recited in claim [[39]] 40 wherein ~~said~~

~~main information incorporates with additional information; and wherein~~ said ~~main~~ first information

is music performance information and said predetermined additional information contains data

representative of any one of a text message, still picture, moving picture and sound message.

Claims 42-51 (canceled)

Claim 52 (currently amended):   A method as recited in claim 24 wherein said ~~main~~ first

information is music performance information; and

wherein said method further comprises a step of transmitting the music performance

information after the ~~execution of said encrypting procedure~~ modification by said ~~second~~ step of

changing,

whereby at a receiving end, only portions, other than a particular portion ~~corresponding to~~

~~said data belonging to the predetermined second data group~~ of the music performance information

having undergone said step of changing, of the music performance information can be reproduced

by every person while the particular portion of the music performance information having

undergone the ~~encrypting~~ step of changing can be reproduced only by an authorized person.

Claim 53 (canceled)

Claim 54 (currently amended):   A system for transmitting information comprising:

a first section that ~~provides main information to be transmitted, data of said main information~~ ~~including a group of data units each having a predetermined plurality of bits~~ inputs first information comprising a plurality of event data each including two or more parameters;

a second section that ~~provides additional information to be incorporated into the data of said~~ ~~main information, said additional information including a plurality of data segments~~ inputs second information;

a third section that extracts, from said first information, particular event data including a tone pitch parameter indicative of a tone pitch and extracts a portion of said second information;

a ~~third~~ fourth section that ~~incorporates the data segments of said additional information~~ ~~provided by said second section into particular ones of the data units of said main information~~ ~~provided by said first section, in accordance with a predetermined encoding algorithm, prior to~~ ~~transmission of said main~~ creates a new tone pitch parameter using the extracted portion of said second information and the tone pitch parameter of the particular event data and then replaces an original tone pitch parameter of the particular event data with the new tone pitch parameter, to thereby not only incorporate said second information dispersedly into said first information but also encrypt said first information; and

a ~~fourth~~ fifth section that transmits to a communication network ~~said main information~~ ~~having said additional information~~ the encrypted first information having said second information dispersedly incorporated therein.

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Claim 55 (currently amended):   A system for <u>decoding and</u> reproducing ~~main~~ <u>encrypted</u>

<u>electronic</u> information ~~and additional information from data received via a communication network,~~

~~data of said main information including a group of data units each having a predetermined plurality~~

~~of bits, said additional information including a plurality of divided data segments, said main~~

~~information having the data segments of said additional information incorporated in the data units~~

~~thereof in accordance with a predetermined encoding algorithm~~, said system comprising:

<u>a section that inputs encrypted electronic information to be decoded and reproduced, the</u>

<u>encrypted electronic information being information obtained by encrypting, in accordance with a</u>

<u>predetermined encrypting algorithm, first information comprising a plurality of event data each</u>

<u>including two or more parameters, wherein a second information is not only incorporated</u>

<u>dispersedly in said first information but also encrypts it, by contents of a tone pitch parameter in a</u>

<u>particular one of the event data included in said first information being changed in accordance with</u>

<u>the predetermined encrypting algorithm and using said second information;</u>

a ~~detector~~ section that ~~detects the data units of said main information where the data~~

~~segments of said additional information are incorporated, from the data received via the~~

~~communication network~~ <u>extracts, from the inputted encrypted electronic information, the particular</u>

<u>event data in said first information</u>; and

a decoder section that decodes ~~the data units, detected by said detector section, in a manner~~

~~corresponding to the predetermined encoding algorithm and thereby separates and reproduces the~~

~~data segments of said additional information and the data units of said main information from~~

~~among the detected data units~~ <u>an original tone pitch parameter, from the changed tone pitch</u>

<u>parameter in the extracted particular event data, in accordance with the predetermined encrypting</u>

algorithm and thereby extracts said second information, whereby said first information and said

second information is reproduced separately.

Claim 56 (currently amended):   A system as recited in claim 55 which further

comprises a section that displays said ~~additional~~ second information reproduced by said decoder

section.

Claim 57 (currently amended):   A machine-readable recording medium containing a

program executable by a computer for transmitting information, said program comprising:

a first step of ~~providing main information to be transmitted, data of said main information~~

~~including a group of data units each having a predetermined plurality of bits~~ inputting first

information comprising a plurality of event data each including two or more parameters;

a second step of ~~providing additional information to be incorporated into the data of said~~

~~main information, said additional information including a plurality of data segments~~ inputting

second information;

a third step of extracting, from said first information, particular event data including a tone

pitch parameter indicative of a tone pitch and extracts a portion of said information;

a ~~third~~ fourth step of ~~incorporating the data segments of said additional information provided~~

~~by said second step into particular ones of the data units of said main information provided by said~~

~~first step, in accordance with a predetermined encoding algorithm, prior to transmission of said main~~

creating a new tone pitch parameter using the extracted portion of said second information and the

tone pitch parameter of the particular event data and then replacing an original tone pitch parameter

of the particular event data with the new tone pitch parameter, to thereby not only incorporated said

second information dispersedly into said first information but also encrypt said first information; and

a ~~fourth~~ fifth step of transmitting to a communication network ~~said main information having~~

~~said additional information~~ the encrypted first information having said second information

dispersedly incorporated therein.

Claim 58 (currently amended):   A machine-readable recording medium containing a

program executable by a computer for <u>decoding and</u> reproducing ~~main~~ <u>encrypted electronic</u>

information ~~and additional information from data received via a communication network, data of~~

~~said main information including a group of data units each having a predetermined plurality of bits,~~

~~said additional information including a plurality of divided data segments, said main information~~

~~having the data segments of said additional information incorporated in the data units thereof in~~

~~accordance with a predetermined encoding algorithm~~, said program comprising the steps of:

<u>inputting encrypted electronic information to be decoded and reproduced, the encrypted</u>

<u>electronic information being information obtained by encrypting, in accordance with a</u>

<u>predetermined encrypting algorithm, first information comprising a plurality of event data each</u>

<u>including two or more parameters, wherein a second information is not only incorporated</u>

<u>dispersedly in said first information but also encrypts it, by contents of a tone pitch parameter in a</u>

<u>particular one of the event data included in said first information being changed in accordance with</u>

<u>the predetermined encrypting algorithm and using said second information;</u>

~~detecting the data units of said main information where the data segments of said additional~~

~~information are incorporated, from the data received via the communication network~~ <u>extracting,</u>

<u>from the inputted encrypted electronic information, the particular event data in said first</u>

<u>information;</u> and

decoding ~~the data units, detected by said step of detecting, in a manner corresponding to the~~

~~predetermined encoding algorithm and thereby separating and reproducing the data segments of said~~

~~additional information and the data units of said main information from among the detected data~~

~~units~~ <u>an original tone pitch parameter, from the changed tone pitch parameter in the extracted</u>

particular event data, in accordance with the predetermined encrypting algorithm and thereby

extracts said second information, whereby said first information and said second information is

reproduced separately.

Claim 59 (canceled)